

REVOLUTION



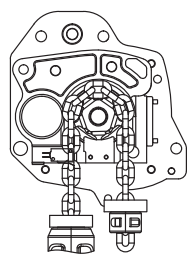
Traversing Limiter or Drop Stop & Rubber Bumper(Optional)

Trolley traversing limiter or Drop stop & Rubber bumper is available as an option.



Dual Safety Device Friction clutch & Upper limit switch

The friction clutch is an overload protection device that idles the motor when overloaded. This function combined with overload limiter to prevent the hoist body or load chain from being damaged. In addition, when a load is lifted excessively the limit switch activates and stops the motor, preventing hoist and load chain damage.



Gear Box / Oil Lubrication

The gearbox utilizes an alloy steel helical and spur gear reduction. Gear inspection and lubrication is easily accessible from the top of the hoist.



Load Sheave / Chain Guide

Full floating chain guide assures proper engagement of chain on load sheave. Features 5 pockets for better distribution of the load.

Overload Alert(Optional)

Installed as load detecting safety device to help prevent overload for greater hoist longevity.



Hooks

Load hook is forged carbon steel hook with a heavy-duty hook latch. Thrust bearing in hook allows 360° rotation to prevent twisting of load chain. Top Hook, for hook suspended hoists is rigid.



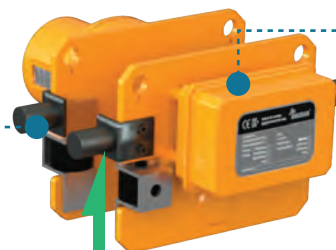
Inverter(Optional)

Adjustable dual lifting speed as well as dual traversing speed by variable frequency drive is available with EDSS / EDSSM / EDST / EDSTM Series from 0.5ton to 2ton. It is perfect type where precise and accurate lifting solution is required. Very silent and smooth lifting operation with great durability replaces conventional pole change type dual speed hoist. Speed setting can be adjusted upon customer request / 3 step lifting speed is optional.



Weather Cover (Option)

Hoist weather cover is a practical product that increases the longevity of your hoists perfect for seasonal and permanent installations. Protect hoist in outdoor use.



Motorized Trolley

Trolley is adjustable for a range of flange widths. Motor includes disc type brake. Side guide rollers are included to promote smooth trolley motion and to minimize wheel and beam wear. Wheels are dual tread design for operation on tapered or flat flange beams. Trolley motor includes class F insulation. Motor is rated 15 minute duty and includes standard thermal motor protection.

Drop Stop & Rubber bumper

Brake System

Operated by powerful pull rotor using magnetic force, it is cone type brake. It has brake lining clearance adjustment function that maximizes the lifetime of brake lining.

Heavy-Duty Hoist Motor

The hoist motor is high torque design and is rated 30-minute duty. Class F motor insulation and standard thermal motor protection is included.

Load Chain

G80 load chain is case hardened and has a high resistance to wear and corrosion. Longer lifts are available per requirement. Breaking load limit with more than 5 times of rated load.

Chain Container

Chain container is standard equipment molded with thick polypropylene material to securely contain the chain and chain lubricant. Optional containers are available for long lift applications.

Push Button Control

Compact design to enable one-handed operation. Rated IP64 protection. Emergency stop button is included. Push button cable has strain relief to prevent cable damage.



FRICION CLUTCH HOIST

DST Series

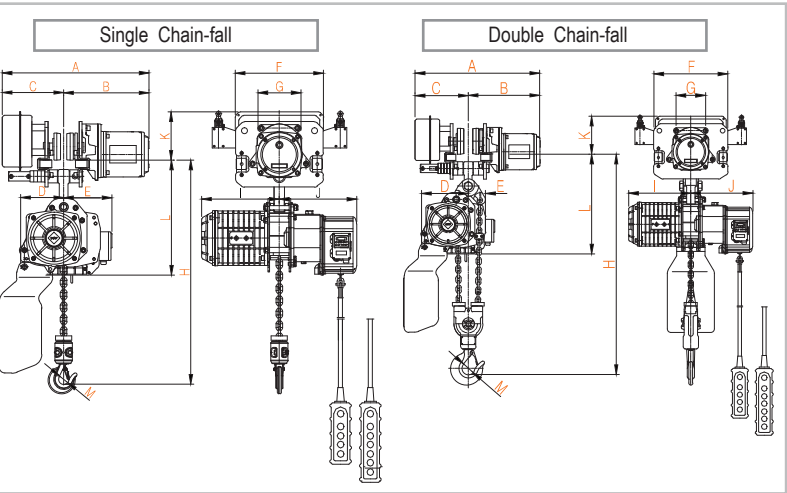
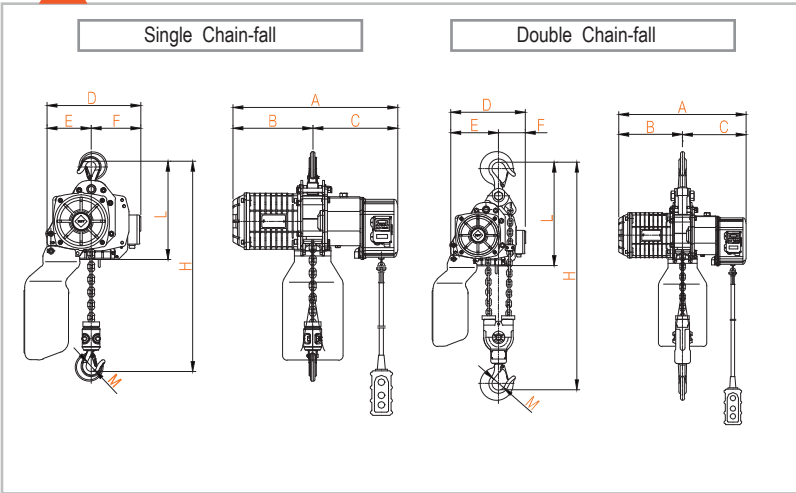
THREE PHASE

SPECIFICATIONS

MODEL : DST		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	Customer's Requested Voltage		
Standard lift	m	4		
Chain fall	No.	1	2	
Lifting speed range(m/min)	50 Hz	6.7	6.8	3.4
	60 Hz	8	8.2(5.5)	4.1
Hoist motor	Kw	0.8	1.8	
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
Net weight	Kg	57	58	71
Duty rating	%ED	40%ED (30min)		

DIMENSION(mm)

MODEL : DST		0.5S	1S	2W
H : minimum headroom	A	523	526	
	B	264		
	C	262		
	D	311		
	E	146		198
	F	165		113
	M	34	35	53.5
	H	384	400	680
	L	324		428



※ The trolley rubber bumper and traversing limit switch are optional.

DSTM Series

THREE PHASE

SPECIFICATIONS

MODEL : DSTM		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	Customer's Requested Voltage		
Standard lift	m	4		
Chain fall	No.	1		2
Lifting speed range(m/min)	50 Hz	6.7	6.8	3.4
	60 Hz	8	8.2(5.5)	4.1
Trolley speed(m/min)	50 Hz	12		
	60 Hz	15		
Hoist motor	Kw	0.8	1.8	
Trolley moter	Kw	0.4		
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
I-beam flange width	I-beam width	75 - 125		100 - 150
I-beam min. curve radius	Curve radius	800		
Net weight	Kg	97	98	117
Duty rating	%ED	40%ED (30min)		

DIMENSION(mm)

MODEL : DSTM		0.5S	1S	2W
B calculation B = 1/2 x (I-Beam width(mm)) H : minimum headroom	A	498+2B		528+2B
	B	208+B		223+B
	C	290+B		305+B
	D	146		198
	E	165		113
	F	300		315
	G	110		125.4
	I	264		
	J	262		
	K	165		161
	M	34	35	53.5
	H	434	446	660
	L	359		424

DSS Series

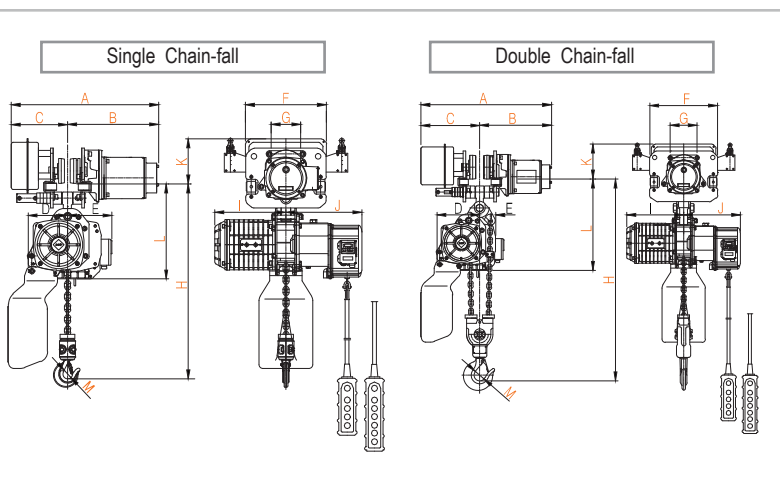
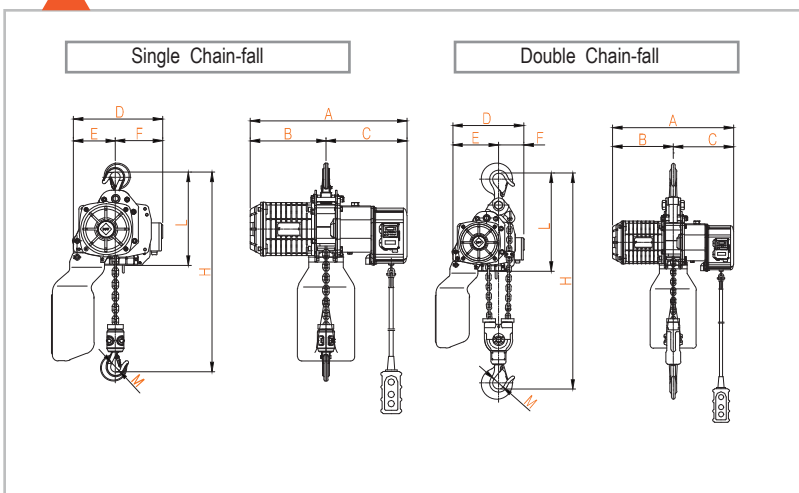
SINGLE PHASE

SPECIFICATIONS

MODEL : DSS		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	110 / 220		
Standard lift	m	4		
Chain fall	No.	1	2	
Lifting speed range(m/min)	50 Hz	6.7	3.4	1.7
	60 Hz	8	4.1	2
Hoist motor	Kw	0.8		
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
Net weight	Kg	57	60	73
Duty rating	%ED	30%ED (20min)		

DIMENSION(mm)

MODEL : DSS		0.5S	1S	2W
H : minimum headroom	A	526	545	
	B	264		
	C	262	281	
	D	311		
	E	146		198
	F	165		113
	M	34	35	53.5
	H	384	400	680
	L	324		428



※ The trolley rubber bumper and traversing limit switch are optional.

DSSM Series

SINGLE PHASE

SPECIFICATIONS

MODEL : DSSM		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	110 / 220		
Standard lift	m	4		
Chain fall	No.	1		2
Lifting speed range(m/min)	50 Hz	6.7	3.4	1.7
	60 Hz	8	4.1	2
Trolley speed(m/min)	50 Hz	9		
	60 Hz	11		
Hoist motor	Kw	0.8		
Trolley moter	Kw	0.2		
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
I-beam flange width	I-beam width	75 - 125		100 - 150
I-beam min. curve radius	Curve radius	800		
Net weight	Kg	96	99	119
Duty rating	%ED	30%ED (20min)		

DIMENSION(mm)

MODEL : DSSM		0.5S	1S	2W
B calculation B = 1/2 x (I-Beam width(mm)) H : minimum headroom	A	546+2B	576+2B	
	B	338+B	353+B	
	C	208+B	223+B	
	D	146	198	
	E	165	113	
	F	300	315	
	G	110	125.4	
	H	434	446	660
	I	264		
	J	281		
	K	165	161	
	L	359	424	
	M	34	35	53.5



FRICION CLUTCH INVERTER HOIST

EDST Series

THREE PHASE

SPECIFICATIONS

MODEL : EDST		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	220 / 380 / 440		
Standard lift	m	4		
Chain fall	No.	1	2	
Lifting speed range(m/min)	2Speed	2.7 - 8.2		1.3 - 4.1
Hoist motor	Kw	0.8	1.8	
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
Net weight	Kg	61	63	77
Duty rating	%ED	40/20%ED (30/10min)		

DIMENSION(mm)

MODEL : EDST		0.5S	1S	2W
H : minimum headroom	A	606		
	B	264		
	C	342		
	D	329		
	E	146	198	
	F	183	131	
	M	34	35	53.5
	H	384	400	680
	L	358	462	



EDSS Series

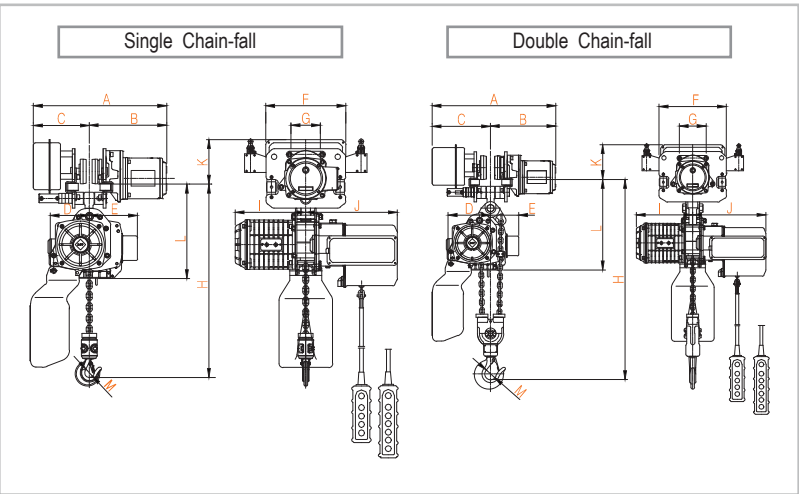
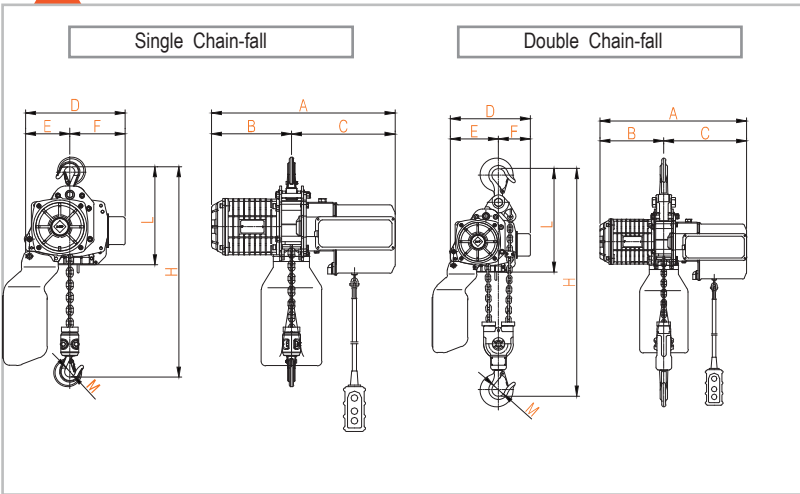
SINGLE PHASE

SPECIFICATIONS

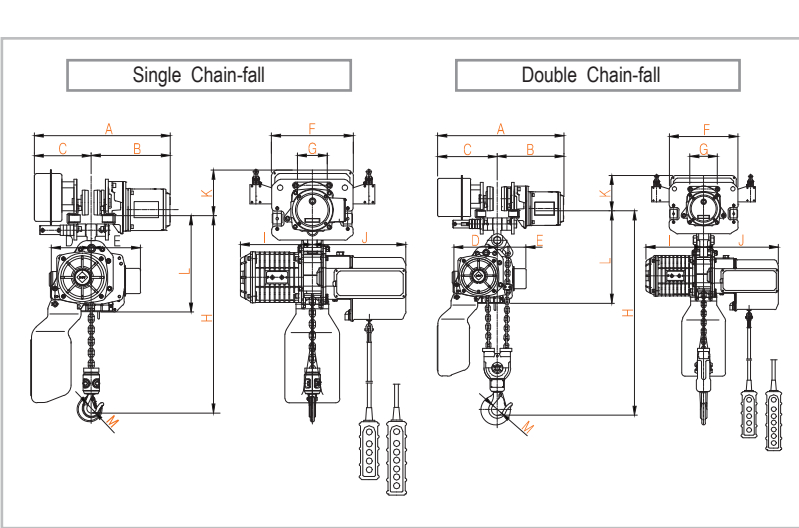
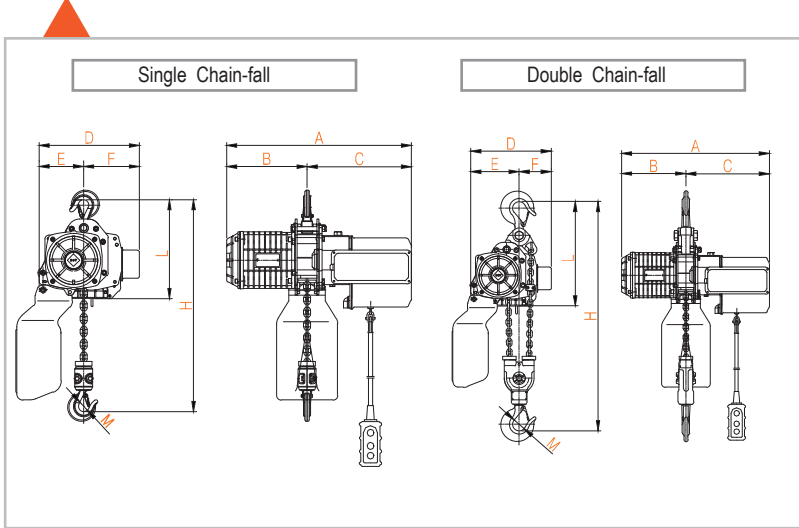
MODEL : EDSS		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	220		
Standard lift	m	4		
Chain fall	No.	1	2	
Lifting speed range(m/min)	2Speed	1.7 - 5.2		1.0 - 2.6
Hoist motor	Kw	0.8	1.5	
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
Net weight	Kg	63	64	77
Duty rating	%ED	40/20%ED (30/10min)		

DIMENSION(mm)

MODEL : EDSS		0.5S	1S	2W
H : minimum headroom	A	606		
	B	264		
	C	342		
	D	311		
	E	146	198	
	F	165	113	
	M	34	35	53.5
	H	384	400	680
	L	378	482	



※ The trolly rubber bumper and traversing limit switch are optional.



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EDSTM Series

THREE PHASE

SPECIFICATIONS

MODEL : EDSTM		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	220 / 380 / 440		
Standard lift	m	4		
Chain fall	No.	1		2
Lifting speed range(m/min)	2Speed	2.7 - 8.2		1.3 - 4.1
Trolley speed(m/min)	2Speed	5.2 - 15.2		
Hoist motor	Kw	0.8	1.8	
Trolley moter	Kw	0.4		
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
I-beam flange width	I-beam width	75 - 125		100 - 150
I-beam min. curve radius	Curve radius	800		
Net weight	Kg	101	102	122
Duty rating	%ED	40/20%ED (30/10min)		

DIMENSION(mm)

MODEL : EDSTM		0.5S	1S	2W
B calculation B = 1/2 x (I-Beam width(mm)) H : minimum headroom	A	548+2B	577+2B	
	B	290+B	304+B	
	C	258+B	273+B	
	D	146	198	
	E	183	131	
	F	300	315	
	G	110	125.4	
	H	434	446	660
	I	264		
	J	342		
	K	165	161	
	L	393	458	
	M	34	35	53.5

EDSSM Series

SINGLE PHASE

SPECIFICATIONS

MODEL : EDSSM		0.5S	1S	2W
Capacity	Ton	0.5	1	2
Power supply	Voltage	220		
Standard lift	m	4		
Chain fall	No.	1		2
Lifting speed range(m/min)	2Speed	1.7 - 5.2		1.0 - 2.6
Trolley speed(m/min)		11		
Hoist motor	Kw	0.8	1.5	
Trolley moter	Kw	0.2		
Load chain	dia x pitch	6.3 x 19	7.1 x 21	
I-beam flange width	I-beam width	75 - 125		100 - 150
I-beam min. curve radius	Curve radius	800		
Net weight	Kg	98	99	122
Duty rating	%ED	40/20%ED (30/10min)		

DIMENSION(mm)

MODEL : EDSSM		0.5S	1S	2W
B calculation B = 1/2 x (I-Beam width(mm)) H : minimum headroom	A	547+2B	576+2B	
	B	339+B	353+B	
	C	208+B	223+B	
	D	146	198	
	E	165	113	
	F	300	315	
	G	110	125.4	
	H	434	446	660
	I	264		
	J	342		
	K	165	161	
	L	393	458	
	M	34	35	53.5